

MOST 20-2B Filling Instructions

FILLING INSTRUCTIONS



WARNING: Fill the MOST with high purity oxygen conforming to OXYGEN, USP. Ensure no flames or sparking devices are within a 50 ft radius of MOST or the High Pressure Supply (No Smoking). Filling of the MOST should be conducted outdoors. Ensure High Pressure Oxygen Supply Line and Oxygen Input Port connections are clean and debris free.

Use only authorized cleaning procedures. Connections contaminated with oils or hydrocarbons can easily initiate a fire.

Always open the oxygen valves slowly to minimize the compression heating problem.



WARNING: Composite cylinders require Hydrostatic Testing at five (5) year intervals. Check Hydrostatic Test plate prior to filling to ensure cylinders testing is current.

1. Ensure hands are clean or wear lint free clean gloves.
2. Ensure High Pressure Oxygen Source is SHUT OFF.
3. Ensure Venting Valve is in VENT position. See Figure 4-2.
4. Disconnect all hoses from the Oxygen Outlet Connectors.
5. SLOWLY OPEN the Cylinder Shutoff Valves. See Figure 4-1.
6. Remove protective plug on Oxygen Input Port.
7. Attach high-pressure oxygen source hose between the source device and the MOST oxygen input port (use Adaptor fitting if required).
8. SLOWLY turn the Venting Valve on MOST to the CLOSED position (See Figure 4-2).
9. VERY SLOWLY OPEN the High Pressure Oxygen Supply valve on source device. The MOST will begin filling at a rate of approximately 200 psi/minute.

10. Do not exceed fill pressure of 2,250 psi as indicated by the cylinder contents gauge.
11. When filling is complete, CLOSE the High Pressure Oxygen Supply Valve at source device.
12. Switch Venting Valve (V-3) to VENT position. (Oxygen will briefly vent through Vent Port)
13. Remove High Pressure Oxygen Supply Hose from Oxygen Input port (C-4).
14. Switch Venting Valve to CLOSE position.
15. Replace protective cap on Oxygen Input port.
16. SLOWLY CLOSE the Cylinder Shutoff Valves.



(Shutoff Valves)

Cylinder Shutoff Valves V-1 & V-2

Figure 4-1

Note: Close shutoff valves for long-term storage